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Date: November 21, 2006  
Refer to: ENV-EAQ:06-310

Mr. Edward Horst  
Environmental Compliance Specialist, Enforcement  
New Mexico Environment Department  
Air Quality Bureau  
2048 Galisteo Street  
Santa Fe, New Mexico 87505



**IDEA ID 856 – LOS ALAMOS NATIONAL LABORATORY  
2006 THIRD QUARTER BERYLLIUM EMISSIONS REPORT  
JULY 1 – SEPTEMBER 30, 2006  
AIR QUALITY PERMIT NO. 634-M2  
LOS ALAMOS NATIONAL LABORATORY**

Dear Mr. Horst:

Attached you will find a copy of the official sampling data obtained from the continuous air monitor installed on the main exhaust stack at the Beryllium Technology Facility (BTF) at Los Alamos National Laboratory (LANL) for the **third quarter of calendar year 2006**. This submission of the quarterly emissions data, collected from this source, is required by permit condition 5.f of NMED Air Quality Permit #634-M2 dated October 30, 1998. Furthermore, this quarterly report is transmitted within the allowed 60 days after the end of the calendar quarter, as specified in the permit.

As specified in permit #634-M2, the beryllium stack emissions from the BTF shall not exceed 0.35 grams in a 24-hour time period and shall not exceed 3.5 grams per year. As can be seen in Enclosure 1, the largest daily emission rate during the third quarter of calendar year 2006 was  $< 1.87 \times 10^{-5}$  grams per 24 hours, which is well below the daily permit limit. The total amount of beryllium emitted for the third quarter of calendar year 2006 was  $< 1.65 \times 10^{-3}$  grams. Additionally, the total for the first three quarters of calendar year 2006 was  $< 4.95 \times 10^{-3}$  grams, which is well below the 3.5 gram per year limit specified in the permit. Based on the attached information, LANL is in compliance with condition #2 of NMED Air Quality Permit #634-M2.

If you have any questions or comments regarding this submittal or would like to discuss this in greater detail, please feel free to contact Steve Story at 665-2169 or Kathleen Gorman-Bates at 665-1338.

Sincerely,



Dianne Wilburn  
Ecology & Air Quality Group

KGB:dj

Enc: a/s

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ENV-EAQ Beryllium Permit #634 Quarterly Report File  
ENV-EAQ File

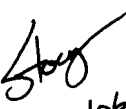
# Enclosure 1

**Beryllium 2006 Stack Emissions**  
**TA-03-0141**

**TA-3-141 StackID: 3014101**

Sampling dates			Emissions (g)	
			Weekly(1)	Daily(2)
			<i>Sum of weekly results must be &lt;3.5 g/year</i>	<i>Cannot Exceed 0.35 g/day</i>
<b>Period #:</b>	<b>1</b>			
12/22/2005	-	1/5/2006	< 1.27E-04	< 9.10E-06
1/5/2006	-	1/12/2006	< 1.27E-04	< 1.82E-05
1/12/2006	-	1/19/2006	< 1.27E-04	< 1.82E-05
1/19/2006	-	1/26/2006	< 1.27E-04	< 1.82E-05
1/26/2006	-	2/2/2006	< 1.27E-04	< 1.82E-05
			< 6.35E-04	< 8.19E-05
<b>Period #:</b>	<b>2</b>			
2/2/2006	-	2/9/2006	< 1.27E-04	< 1.82E-05
2/9/2006	-	2/16/2006	< 1.27E-04	< 1.82E-05
2/16/2006	-	2/23/2006	< 1.27E-04	< 1.82E-05
2/23/2006	-	3/2/2006	< 1.27E-04	< 1.81E-05
			< 5.08E-04	< 7.27E-05
<b>Period #:</b>	<b>3</b>			
3/2/2006	-	3/9/2006	< 1.27E-04	< 1.83E-05
3/9/2006	-	3/16/2006	< 1.27E-04	< 1.83E-05
3/16/2006	-	3/23/2006	< 1.27E-04	< 1.82E-05
3/23/2006	-	3/30/2006	< 1.27E-04	< 1.82E-05
			< 5.08E-04	< 7.30E-05
			1st Quarterly Totals	
			< 1.65E-03	< 2.28E-04
<b>Period #:</b>	<b>4</b>			
3/30/2006	-	4/6/2006	< 1.27E-04	< 1.82E-05
4/6/2006	-	4/13/2006	< 1.27E-04	< 1.81E-05
4/13/2006	-	4/20/2006	< 1.27E-04	< 1.83E-05
4/20/2006	-	4/27/2006	< 1.27E-04	< 1.82E-05
			< 5.08E-04	< 7.28E-05
<b>Period #:</b>	<b>5</b>			
4/27/2006	-	5/4/2006	< 1.27E-04	< 1.82E-05
5/4/2006	-	5/11/2006	< 1.27E-04	< 1.82E-05
5/11/2006	-	5/18/2006	< 1.27E-04	< 1.82E-05
5/18/2006	-	5/25/2006	< 1.27E-04	< 1.82E-05
5/25/2006	-	6/1/2006	< 1.27E-04	< 1.82E-05
			< 6.35E-04	< 9.10E-05
<b>Period #:</b>	<b>6</b>			
6/1/2006	-	6/8/2006	< 1.27E-04	< 1.82E-05
6/8/2006	-	6/15/2006	< 1.27E-04	< 1.82E-05
6/15/2006	-	6/22/2006	< 1.27E-04	< 1.82E-05
6/22/2006	-	6/29/2006	< 1.27E-04	< 1.82E-05
			< 5.08E-04	< 7.28E-05

		Weekly(1)		Daily(2)	
		Sum of weekly results must be <3.5 g/year		Cannot Exceed 0.35 g/day	
		2nd Quarterly Totals			
		<	1.65E-03	<	2.37E-04
Period #:	7				
6/29/2006	-	7/6/2006	< 1.27E-04	<	1.82E-05
7/6/2006	-	7/13/2006	< 1.27E-04	<	1.82E-05
7/13/2006	-	7/20/2006	< 1.27E-04	<	1.82E-05
7/20/2006	-	7/27/2006	< 1.27E-04	<	1.82E-05
7/27/2006	-	8/3/2006	< 1.27E-04	<	1.80E-05
		<	6.35E-04	<	9.08E-05
Period #:	8				
8/3/2006	-	8/10/2006	< 1.27E-04	<	1.84E-05
8/10/2006	-	8/17/2006	< 1.27E-04	<	1.82E-05
8/17/2006	-	8/24/2006	< 1.27E-04	<	1.82E-05
8/24/2006	-	8/31/2006	< 1.27E-04	<	1.82E-05
		<	5.08E-04	<	7.30E-05
Period #:	9				
8/31/2006	-	9/7/2006	< 1.27E-04	<	1.82E-05
9/7/2006	-	9/14/2006	< 1.27E-04	<	1.78E-05
9/14/2006	-	9/21/2006	< 1.27E-04	<	1.87E-05
9/21/2006	-	9/28/2006	< 1.27E-04	<	1.82E-05
		<	5.08E-04	<	7.29E-05
		3rd Quarterly Totals			
		<	1.65E-03	<	2.37E-04
		Sum of 1st, Second, and Third Quarters:			
		<	4.95E-03		

  
11/20/06